

Improvements to Roads and Drains at Anjanadri
Layout and Surrounding Area in Ward No 06
Thanisandra

Second and Final Bill
Quality Control Reports
BOOK NO - 02

QC ABSTRACT

NAME OF WORK: Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
3	Coarse aggregate(20 mm down size)	Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	12 set /400-450 cum	409.82	24	24
6	GSB	SIEVE ANALYSIS	One Test		1	1

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2023-03-28-32 Date: 05-01-23
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding
Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya,
Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road,
Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 02-01-23
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 269:2015 Ordinary Portland cement Specification ,
IS 4031 (Part 4,5):1988
IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING,
Clause 4.4
IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability
IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste,
Clause 5
IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, (RA 2019) DETERMINATION OF DENSITY , Clause 6
Date of test : 03-01-23
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	1.64	-
2	Finess by Air permeability method (m ² /kg,Min)	296.2	225m ² /kg, Min
3	Density (gm/cc)	3.12	-
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	146 minutes	Not less than 30 minutes
6	Final Setting time	292 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2023-03-28-32 Date: 31-01-23
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 02-01-23
Sample Type : Birla Super 53 grade
Reference to BIS codes : IS 269:2015 Ordinary Portland cement Specification ,
IS 4031 (Part 4,5):1988 , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test : 03-01-23

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength			
Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	28.0N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.5N/mm ²	Not less than 37 N/mm ²
3	28 Days	58.0N/mm ²	Not less than 53 N/mm ²

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-03-28-32 Date: 05-01-23

Project Name : Improvements to Roads and Drains at Anjanadri Layout
Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya,
Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main
Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 02-01-23

Sample Type : 40mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 02-01-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	429	429	2.9	97.1	90-100
3	20 mm	7195	7624	50.8	49.2	30-70
4	10 mm	3859	11483	76.6	23.4	10-35
5	4.75 mm	2953	14436	96.2	3.8	0-5
6	Pan	564	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID

:

CP-2023-03-28-32

Date: 05-01-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.7	
3	Specific Gravity	2.45	—
4	Bulk Density(Loose) (Kg/l)	1.47	—
5	Bulk Density(Compacted) (Kg/l)	1.52	—
6	Water Absorption(%)	0.19	—

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2023-03-28-32 Date: 04-01-23

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 02-01-23

Sample Type/ Size : 20mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 02-01-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	155	155	3.1	96.9	90-100
3	10 mm	3344	3499	70.0	30.0	25-55
4	4.75 mm	1377	4876	97.5	2.5	0-10
5	Pan	124	5000	100	0	-

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TEST REPORT ON COARSE AGGREGATES

Lab ID

: CP-2023-03-28-32

Date: 04-01-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.1	
3	Specific Gravity	2.68	—
4	Bulk Density(Loose) (Kg/l)	1.43	—
5	Bulk Density(Compacted) (Kg/l)	1.49	—
6	Water Absorption(%)	0.23	—
7	Aggregate crushing Value(%)	22.9	Max 30% for Aggregates to be used in concrete for wearing Surface. In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2023-03-28-32 Date: 04-01-23

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 02-01-23

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 02-01-23

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	25	25	2.5	97.5	90-100	90-100	90-100	95-100
3	2.36 mm	55	80	8.0	92.0	60-95	75-100	85-100	95-100
4	1.18 mm	239	319	31.9	68.1	30-70	55-90	75-100	90-100
5	600 micron	205	524	52.4	47.6	15-34	35-59	60-79	80-100
6	300 micron	203	727	72.7	27.3	5-20	8-30	12-40	15-50
7	150 micron	191	918	91.8	8.2	0-10	0-10	0-10	0-15
8	Pan	82	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2023-03-28-32

Date: 04-01-23

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.52	-
2	Specific Gravity	2.53	-
3	Material finer than 75 micron(%)	8.2	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011))

Lab ID : CP-2023-03-28-32 Date: 20-01-23
Project Name : Improvements to Roads and Drains at Anjanadri Layout
Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya,
Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main
Road, Bangalore-97
Customer Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 18-01-23
Type of Mix : GSB (Granular Sub Base)
Date of test : 18-01-23
Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	997	997	9.97	90.03	80-100
26.5	1685	2682	26.82	73.18	55-90
9.5	1492	4174	41.74	58.26	35-65
4.75	1190	5364	53.64	46.36	25-55
2.36	1664	7028	70.28	29.72	20-40
0.425	1766	8794	87.94	12.06	10-25
0.075	1206	10000	100.00	0.00	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table
1	Liquid Limit, %	21.25%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 18/03/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O. Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 13-03-23

Customer ID : Cement Concrete Pavement - 3rd Cross Noor Masjid Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	18/03/2023	151.60 X 151.79 X 150.98	23012	8.382	585.6	25.4	25.5
2	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	18/03/2023	149.23 X 149.16 X 150.74	22260	8.784	596.4	26.8	
3	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	18/03/2023	151.26 X 149.53 X 149.98	22619	8.754	545.4	24.1	

* The results obtained are satisfactory as per standard requirements.

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ದಿ.ವಿ.ಎಂ.ಪಿ. ಜ್ಯೋತಿಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜ್ಯೋತಿಯನಪುರ ಉಪ ವಿಭಾಗ
ದಿ.ವಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24



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R KARTHIK RECHAN
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****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 08/04/2023
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 3rd Cross Noor Masjid Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 08/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	08/04/2023	151.48 X 149.57 X 150.64	22657	8.643	760.9	33.6	33.1
2	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	08/04/2023	149.47 X 149.30 X 149.31	22316	8.274	720.5	32.3	
3	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	08/04/2023	149.85 X 151.51 X 150.68	22703	8.126	761.5	33.5	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದ್ವಾರಾಧ್ಯಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದ್ವಾರಾಧ್ಯಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬಂಗಲೆ-24

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 18/03/2023
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 3rd Cross Noor Masjid Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 18/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	18/03/2023	149.59 X 149.58 X 150.81	22376	8.387	575.1	25.7	25.4
2	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	18/03/2023	149.55 X 150.27 X 149.74	22473	8.100	591.7	26.3	
3	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	18/03/2023	151.32 X 149.47 X 151.77	22618	8.932	548.5	24.3	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ವಿ.ಎಂ.ಪಿ. ದೃಢೀಕರಣಮೂಲಕ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದೃಢೀಕರಣಮೂಲಕ ಉಪ ವಿಭಾಗ
ದಿ.ವಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24



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Quality Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 08/04/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 13-03-23

Customer ID : Cement Concrete Pavement - 3rd Cross Noor Masjid Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	08/04/2023	150.11 X 151.67 X 149.90	22767	8.238	755.7	33.2	33.0
2	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	08/04/2023	149.29 X 149.40 X 149.75	22304	8.671	730.3	32.7	
3	Cement Concrete Pavement - 3rd Cross Noor Masjid Road	M30	11/03/2023	08/04/2023	149.85 X 150.21 X 150.25	22509	8.562	745.7	33.1	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ದೃಢೀಕರಣವುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬಿ.ಬಿ.ಎಂ.ಸಿ., ಬಂಗಲೂರು-೩೪

Page 1/1

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 18/03/2023
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 4th Cross Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 18/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	18/03/2023	151.55 X 151.02 X 151.28	22887	8.707	587.2	25.7	25.7
2	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	18/03/2023	149.81 X 150.84 X 149.10	22597	8.115	606.8	26.9	
3	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	18/03/2023	149.68 X 151.21 X 150.81	22634	8.449	558.3	24.7	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 08/04/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 13-03-23

Customer ID : Cement Concrete Pavement - 4th Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	08/04/2023	150.08 X 149.93 X 150.04	22502	8.611	750.4	33.3	33.2
2	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	08/04/2023	151.69 X 149.95 X 149.82	22746	8.281	750.0	33.0	
3	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	08/04/2023	149.47 X 151.00 X 151.48	22570	8.412	752.1	33.3	

* The results obtained are satisfactory as per standard requirements.

(Signature)
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

(Signature)
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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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(Signature)
KARTHIK RECHAN
Authorized Signatory
Quality Manager

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 18/03/2023
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 4th Cross Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 18/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	18/03/2023	151.61 X 151.47 X 150.31	22964	8.437	576.2	25.1	25.6
2	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	18/03/2023	150.75 X 149.49 X 149.04	22535	8.670	607.7	27.0	
3	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	18/03/2023	151.06 X 150.07 X 150.54	22670	8.673	563.2	24.8	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
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R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 08/04/2023
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 4th Cross Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 08/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	08/04/2023	151.06 X 149.53 X 151.85	22589	8.835	764.2	33.8	33.0
2	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	08/04/2023	149.97 X 150.80 X 150.82	22615	8.611	724.0	32.0	
3	Cement Concrete Pavement - 4th Cross Road	M30	11/03/2023	08/04/2023	151.05 X 151.72 X 149.22	22918	8.238	761.2	33.2	

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2023-03-28-32 Date: 17/03/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 13-03-23

Customer ID : Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	17/03/2023	149.23 X 149.26 X 150.86	22273	8.907	577.2	25.9	25.5
2	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	17/03/2023	150.71 X 151.03 X 151.32	22762	8.307	601.1	26.4	
3	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	17/03/2023	150.11 X 149.97 X 149.53	22512	8.412	542.0	24.1	

The results obtained are satisfactory as per standard requirements.





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ಬ್ಯಾಟರಿಯನ್ನು ಸುರಕ್ಷಿತವಾಗಿ ಇರಿಸಿಟ್ಟಿರುವುದು ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಿಯನ್ನು ಸುರಕ್ಷಿತವಾಗಿ ಇರಿಸಿಟ್ಟಿರುವುದು ಉಪ ವಿಭಾಗ

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Customer ID

Sample Type /Size

Sample grade/Age

Reference to BIS codes

: CP-2023-03-28-32
Date: 07/04/2023
Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
BBMP/EE/BTP/WO/186/2020-21
13-03-23
Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road
150X150X150 mm
M30 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 07/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	07/04/2023	151.61 X 149.75 X 150.66	22704	8.362	760.6	33.5	33.4
2	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	07/04/2023	149.90 X 150.47 X 150.26	22555	8.418	741.9	32.9	
3	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	07/04/2023	151.66 X 150.12 X 150.72	22767	8.606	768.6	33.8	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಿಯನಮರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಿಯನಮರ ಉಪ ವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24
Page 1/1
****End of Report****



FOR CIVIL Pro
R. KARTHIK RECHAN
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Quality Manager

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ROADWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಿಯನಮರ ಉಪ ವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

2023-04-01(Sat) 12:14 PM

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Customer ID

Sample Type /Size

Sample grade/Age

Reference to BIS codes

: CP-2023-03-28-32

Date: 17/03/2023

: Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

: Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

: BBMP/EE/BTP/WO/186/2020-21

: 13-03-23

: Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road

: 150X150X150 mm

: M30 / 7 Days Compressive Strength

: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	17/03/2023	150.50 X 150.70 X 151.16	22681	8.827	575.1	25.4	25.3
2	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	17/03/2023	149.39 X 149.20 X 149.73	22289	8.348	588.6	26.4	
3	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	17/03/2023	149.01 X 151.38 X 150.20	22557	8.760	545.7	24.2	

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ವ್ಯಾಪಾರಾಧಿಕಾರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವ್ಯಾಪಾರಾಧಿಕಾರ ಉಪ ವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬಂಗಲೂರು-24
Page 1/1

****End of Report****



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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2023-03-28-32
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 07/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	07/04/2023	151.51 X 150.46 X 149.55	22795	8.443	763.0	33.5	33.2
2	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	07/04/2023	149.67 X 149.19 X 149.72	22328	8.129	717.7	32.1	
3	Cement Concrete Pavement - 5th Cross , SLS Store Opposite Road	M30	10/03/2023	07/04/2023	149.12 X 151.08 X 150.22	22529	8.396	763.3	33.9	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಂಗಲೂರು-24
Page 1/1
****End of Report****



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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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TEST REPORT OF CEMENT CONCRETE CUBES

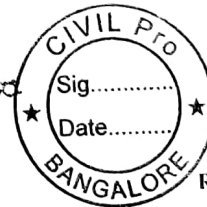
Lab ID : CP-2023-03-28-32
 Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
 Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
 Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
 Date of Receipt : 13-03-23
 Customer ID : Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road
 Sample Type /Size : 150X150X150 mm
 Sample grade/Age : M30 / 7 Days Compressive Strength
 Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
 Date of test : 17/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	17/03/2023	149.35 X 150.33 X 149.19	22452	8.750	570.4	25.4	25.5
2	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	17/03/2023	151.88 X 150.90 X 149.29	22918	8.597	614.1	26.8	
3	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	17/03/2023	150.59 X 151.45 X 150.17	22806	8.156	553.4	24.3	

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು
 ದಿ.ದಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಿಯನವರು ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ
 ಬ್ಯಾಟರಿಯನವರು ಉಪ ವಿಭಾಗ
 ದಿ.ದಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-14



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 Quality Manager

TEST REPORT OF CEMENT CONCRETE CUBES

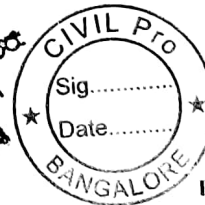
CP-2023-03-28-32 Date: 07/04/2023
Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06
Thanisandra
Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil
Petrol Bank, Thindlu Main Road, Bangalore-97
BBMP/EE/BTP/WO/186/2020-21
13-03-23
Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road
150X150X150 mm
M30 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
07/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	07/04/2023	149.38 X 149.01 X 151.89	22258	8.586	751.5	33.8	33.2
2	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	07/04/2023	151.67 X 151.22 X 149.59	22936	8.566	755.0	32.9	
3	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	07/04/2023	151.10 X 150.77 X 149.60	22781	8.138	752.6	33.0	

*The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಜಿ.ವಿ.ಎಂ.ಪಿ. ವ್ಯಾಪ್ತರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಭಿಯಂತರರು
ವ್ಯಾಪ್ತರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಜಿ.ವಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-28



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Quality Manager

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****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 17/03/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 13-03-23

Customer ID : Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5

Date of test : 17/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	17/03/2023	151.52 X 149.05 X 151.64	22584	8.367	573.6	25.4	25.6
2	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	17/03/2023	151.73 X 151.88 X 149.73	23045	8.277	613.9	26.6	
3	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	17/03/2023	150.28 X 150.18 X 151.33	22570	8.469	559.2	24.8	

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟಲಿಯನ್‌ನವರು ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟಲಿಯನ್‌ನವರು ಉಪ ವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24



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Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2023-03-28-32
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 07/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	07/04/2023	151.05 X 149.94 X 150.01	22648	8.347	766.0	33.8	33.1
2	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	07/04/2023	151.29 X 151.48 X 150.33	22918	8.925	737.2	32.2	
3	Cement Concrete Pavement - 6th Cross, Al Khayum Masjid Road	M30	10/03/2023	07/04/2023	151.21 X 150.27 X 149.21	22723	8.402	760.2	33.5	

*The results obtained are satisfactory as per standard requirements.

ಶಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಪ್ರಾಜೆಕ್ಟ್‌ನವರ ಉಪ ನಿರ್ದೇಶಕರು
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-24

ಶಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-24



FOR CIVIL Pro.
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Quality Manager

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Customer ID

Sample Type /Size

Sample grade/Age

Reference to BIS codes

Date of test

: CP-2023-03-28-32
: Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
: Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
: BBMP/EE/BTP/WO/186/2020-21
: 13-03-23
: Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road
: 150X150X150 mm
: M30 / 7 Days Compressive Strength
: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
: 17/03/2023

Date: 17/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	17/03/2023	150.75 X 151.88 X 149.63	22895	8.439	576.2	25.2	25.5
2	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	17/03/2023	151.09 X 150.46 X 150.45	22733	8.508	599.9	26.4	
3	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	17/03/2023	149.65 X 149.46 X 150.38	22367	8.789	555.8	24.9	

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ವಿ.ಎಂ.ಪಿ. ಪ್ರಾಜೆಕ್ಟ್‌ನ ಮೇಲೆ ಉಪ ನಿರ್ದೇಶಕರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪ್ರಾಜೆಕ್ಟ್‌ನ ಮೇಲೆ ಉಪ ನಿರ್ದೇಶಕರು
ದಿ.ವಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Page 1/1

****End of Report****



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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID

: CP-2023-03-28-32

Project Name

: Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency

: Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference

: BBMP/EE/BTP/WO/186/2020-21

Date of Receipt

: 13-03-23

Customer ID

: Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road

Sample Type /Size

: 150X150X150 mm

Sample grade/Age

: M30 / 28 Days Compressive Strength

Reference to BIS codes

: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test

: 07/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	07/04/2023	149.68 X 151.03 X 151.66	22606	8.508	755.7	33.4	33.2
2	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	07/04/2023	150.70 X 149.11 X 151.98	22470	8.632	736.1	32.8	
3	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	07/04/2023	150.98 X 149.21 X 150.52	22527	8.948	754.9	33.5	

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ದೃಢೀಕರಣಮಹರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದೃಢೀಕರಣಮಹರ ಉಪ ವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-14



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Quality Manager

Page 1/1

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
MANAGEMENT | SURVEYING SERVICES

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2023-03-28-32
Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
Customer's Reference : BBMP/EE/BTP/WO/186/2020-21
Date of Receipt : 13-03-23
Customer ID : Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 17/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	17/03/2023	151.97 X 151.61 X 151.19	23040	8.429	586.2	25.4	25.6
2	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	17/03/2023	151.18 X 149.93 X 149.86	22667	8.946	596.0	26.3	
3	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	17/03/2023	150.89 X 150.02 X 149.64	22636	8.340	565.6	25.0	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಪ್ರತಿಪಡಿಸಿದ ದಿನಾಂಕ 17.03.23

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಪ್ರತಿಪಡಿಸಿದ ದಿನಾಂಕ 17.03.23
ಪಿ.ಡಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-34



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Date.....
KARTHIK RECHAN
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Quality Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2023-03-28-32

Date: 07/04/2023

Lab ID

Project Name

Agency

Customer's Reference

Date of Receipt

Customer ID

Sample Type /Size

Sample grade/Age

Reference to BIS codes

Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
BBMP/EE/BTP/WO/186/2020-21
13-03-23
Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road
150X150X150 mm
M30 / 28 Days Compressive Strength
IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5

07/04/2023

Date of test

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	07/04/2023	149.27 X 149.95 X 150.52	22383	8.636	754.6	33.7	33.3
2	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	07/04/2023	149.76 X 150.19 X 149.41	22493	8.958	726.9	32.3	
3	Cement Concrete Pavement - 8th Cross Road, Oormila Nilayam Opposite Road	M30	10/03/2023	07/04/2023	150.59 X 149.34 X 150.70	22489	8.375	762.1	33.9	

The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಧೀನಾಧಿಕಾರಿ
ದಿ.ವಿ.ವಿ.ವಿ. ದೃಢೀಕರಣಮಾಡಿದ ಉಪ ನಿರ್ದೇಶಕರು

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಧೀನಾಧಿಕಾರಿ
ದೃಢೀಕರಣಮಾಡಿದ ಉಪ ನಿರ್ದೇಶಕರು
ದಿ.ವಿ.ವಿ.ವಿ. ದೃಢೀಕರಣಮಾಡಿದ ಉಪ ನಿರ್ದೇಶಕರು



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Date.....
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID
Project Name
Agency

Customer's Reference
Date of Receipt
Customer ID
Sample Type /Size
Sample grade/Age
Reference to BIS codes

: CP-2023-03-28-32
: Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra
: Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97
: BBMP/EE/BTP/WO/186/2020-21
: 11-03-23
: Cement Concrete Pavement - Nagakaliyamma Temple Road
: 150X150X150 mm
: M30 / 7 Days Compressive Strength
: IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
: 16/03/2023

Date: 16/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Nagakaliyamma Temple Road	M30	09/03/2023	16/03/2023	149.39 X 150.86 X 149.92	22537	8.587	575.2	25.5	25.5
2	Cement Concrete Pavement - Nagakaliyamma Temple Road	M30	09/03/2023	16/03/2023	150.01 X 150.30 X 151.15	22546	8.157	605.2	26.8	
3	Cement Concrete Pavement - Nagakaliyamma Temple Road	M30	09/03/2023	16/03/2023	151.89 X 151.56 X 150.74	23020	8.951	555.5	24.1	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಿಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ
ಬ್ಯಾಟರಿಯನಪುರ ಉಪ ವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು



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Quality Manager



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 06/04/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 11-03-23

Customer ID : Cement Concrete Pavement - Nagakaliyamma Temple Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Nagakaliyamma Temple Road	M30	09/03/2023	06/04/2023	149.72 X 150.60 X 149.53	22548	8.352	745.9	33.1	33.1
2	Cement Concrete Pavement - Nagakaliyamma Temple Road	M30	09/03/2023	06/04/2023	149.01 X 151.16 X 151.51	22525	8.694	726.8	32.3	
3	Cement Concrete Pavement - Nagakaliyamma Temple Road	M30	09/03/2023	06/04/2023	151.19 X 150.68 X 151.50	22782	8.837	770.6	33.8	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಪುಟ್ಟರಾಯನವರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು



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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 16/03/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 11-03-23

Customer ID : Culvert Ramp Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/03/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Culvert Ramp Concrete	M30	09/03/2023	16/03/2023	149.18 X 151.25 X 149.88	22564	8.111	577.3	25.6	25.4
2	Culvert Ramp Concrete	M30	09/03/2023	16/03/2023	149.67 X 151.85 X 150.62	22728	8.784	595.3	26.2	
3	Culvert Ramp Concrete	M30	09/03/2023	16/03/2023	149.50 X 149.16 X 149.98	22299	8.780	543.9	24.4	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ಪ್ರಾಜೆಕ್ಟ್‌ನ ಮೇಲೆ ಉಪ ನಿರ್ದೇಶಕರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧೀಕ್ಷಕರು
ಪ್ರಾಜೆಕ್ಟ್‌ನ ಮೇಲೆ ಉಪ ನಿರ್ದೇಶಕರು
ದಿ.ದಿ.ಎಂ.ಪಿ. ದೃಢೀಕರಣ



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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-28-32 Date: 06/04/2023

Project Name : Improvements to Roads and Drains at Anjanadri Layout Surrounding Area in Ward No 06 Thanisandra

Agency : Sri. Vinaya Builders, Prop.Kumar Raju K, No:10 Gokul Nilaya, Dhanalakshmi L/O, Opp Indian Oil Petrol Bank, Thindlu Main Road, Bangalore-97

Customer's Reference : BBMP/EE/BTP/WO/186/2020-21

Date of Receipt : 11-03-23

Customer ID : Culvert Ramp Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/04/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Culvert Ramp Concrete	M30	09/03/2023	06/04/2023	150.92 X 150.63 X 149.01	22734	8.305	772.1	34.0	33.5
2	Culvert Ramp Concrete	M30	09/03/2023	06/04/2023	150.99 X 150.52 X 150.24	22728	8.629	745.3	32.8	
3	Culvert Ramp Concrete	M30	09/03/2023	06/04/2023	151.54 X 149.38 X 150.89	22637	8.188	763.0	33.7	

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಧೀಯಂತರು
ದಿ.ಡಿ.ಎಂ.ಒ. ದ್ವಾರಾಧೀನಪುರ ಉಪ ವಿಭಾಗ

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ದ್ವಾರಾಧೀನಪುರ ಉಪ ವಿಭಾಗ
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